

# M 5.5, 39km S of Tinogasta, Argentina

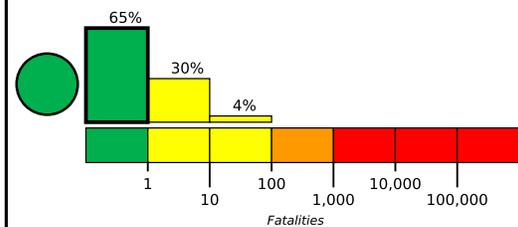
Origin Time: 2020-03-05 06:57:40 UTC (Thu 03:57:40 local)  
Location: 28.4109° S 67.4890° W Depth: 101.5 km

**PAGER**  
**Version 5**

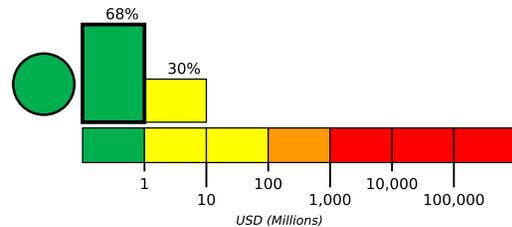
Created: 4 weeks, 1 day after earthquake

## Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



## Estimated Economic Losses

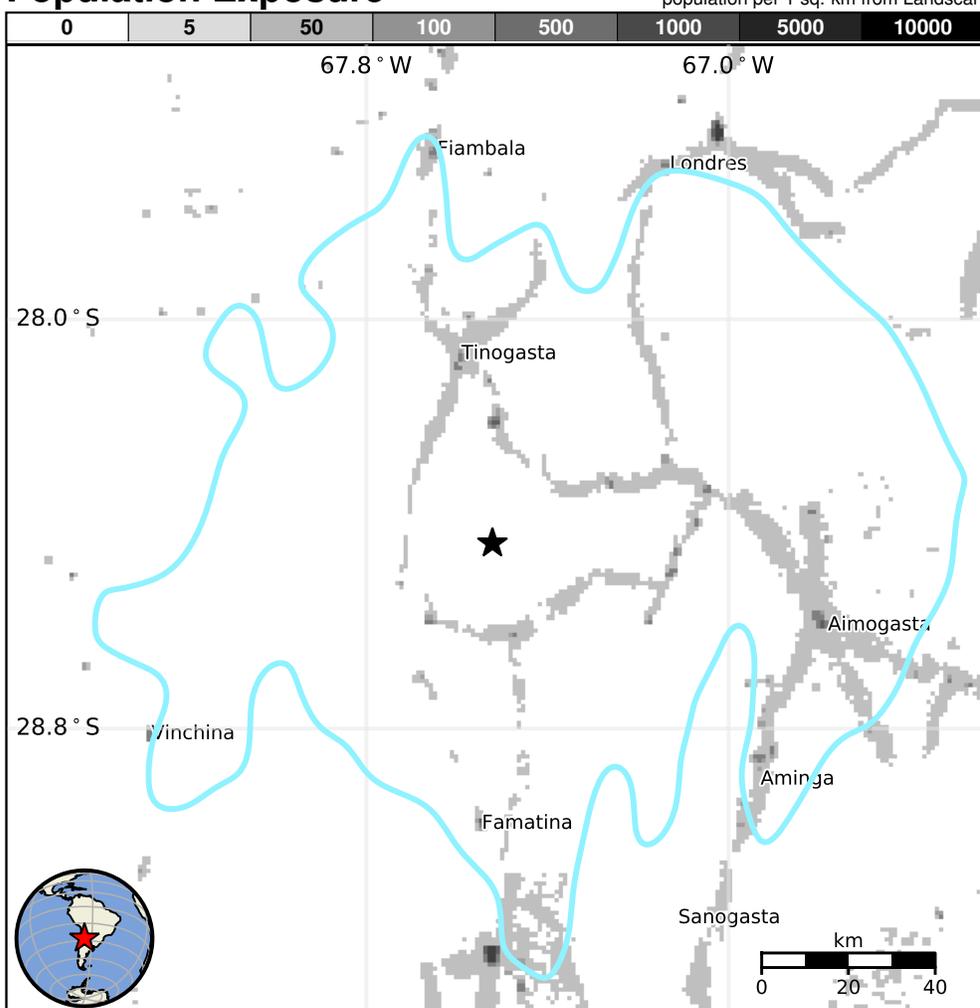


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	35k*	87k	0	0	0	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with concrete bond beam and unreinforced brick with concrete floor construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-10-04	362	7.6	VII(30k)	5
2004-09-07	162	6.1	VIII(13k)	1
1977-11-23	298	7.4	IX(20k)	70

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	<b>Tinogasta</b>	15k
IV	San Blas de los Sauces	<1k
IV	Vinchina	3k
IV	Famatina	<1k
IV	Aimogasta	<1k
IV	Arauco	14k
IV	Fiambala	8k
IV	Aminga	<1k
IV	Chilecito	42k
IV	Londres	3k
III	La Puerta de San Jose	1k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us600089zt#pager>

Event ID: us600089zt